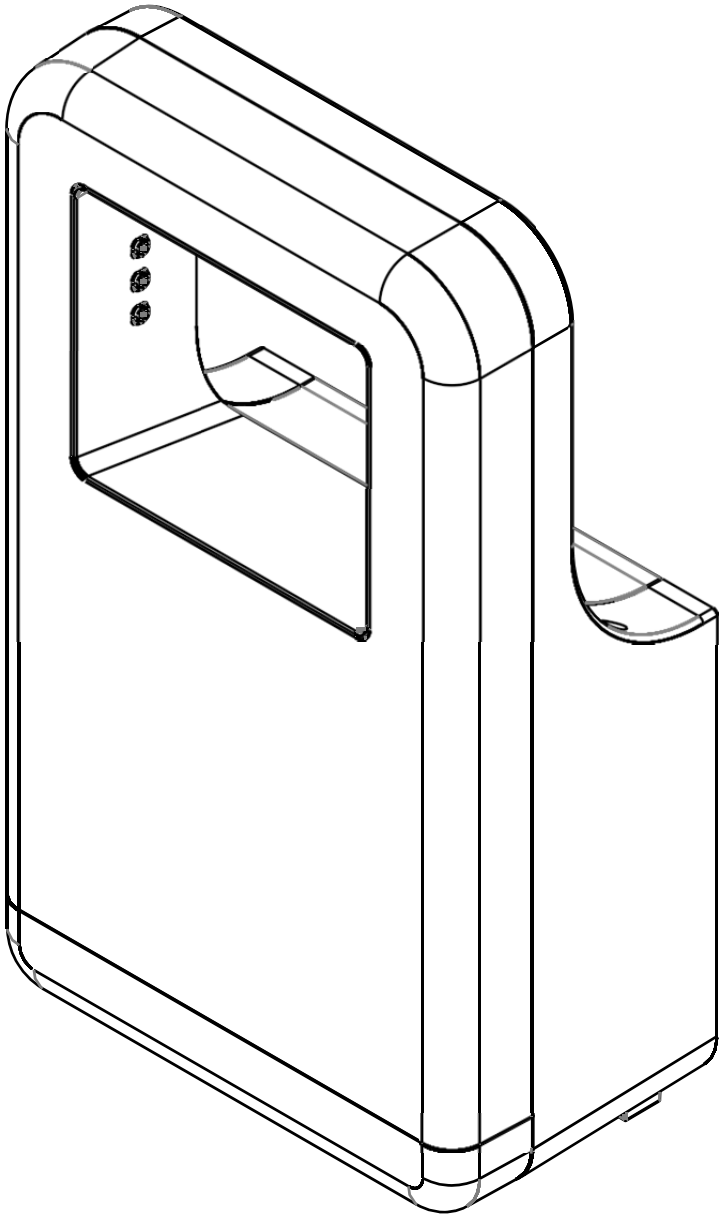
1.2 kW High Speed Hand Dryer

Model No. : B2013
220-240V ~ 50Hz

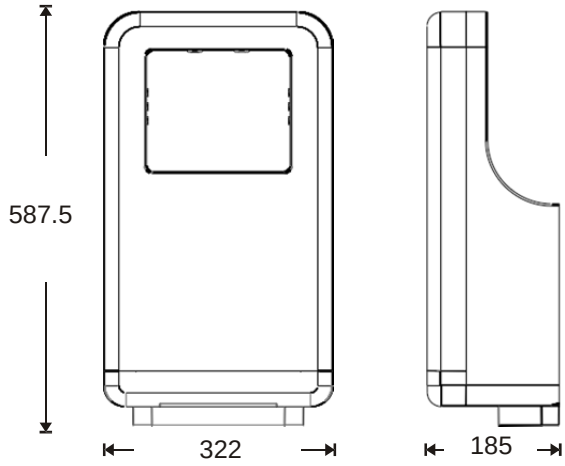


Operating Instructions

Please read instructions in conjunction with the illustrations
Please save these instructions

Specifications

Unit Size: mm (Inch)

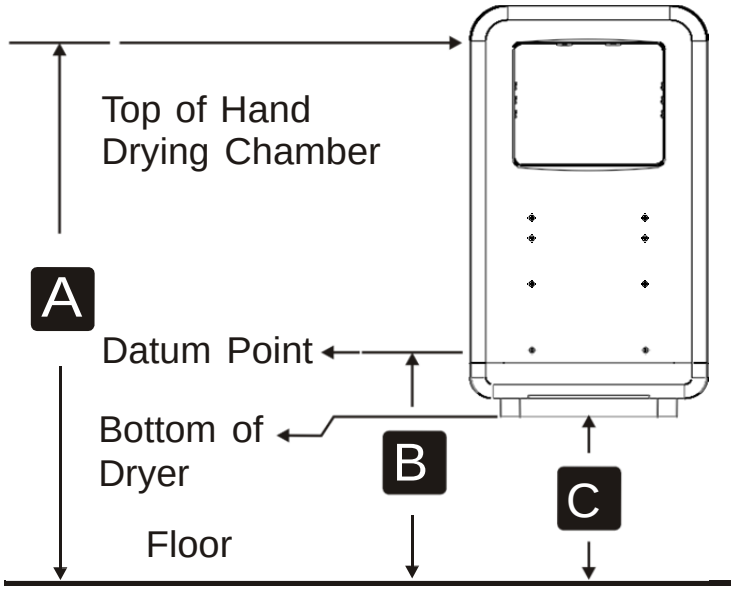


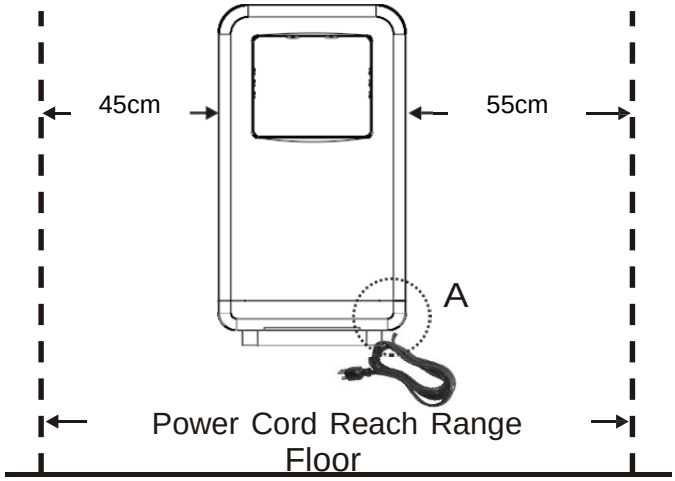
TECHNICAL SPECIFICATIONS

ITEM CATEGORY	*PERFORMANCE DATA*
Operating Voltage	220-240Vac, 50/60 Hz, 4.6-5A, 1.0-1.2 kW
Warm Air Speed Output	65-100 m/s (140-224 mi/hr), Adjustable
Air Output Temperature	45°C (113°F) – Ambient Temp. 20°C (68°F)
Dryer Shall Deliver	89-124 m³/h (55-76 CFM)
Cover Type	3,0 mm thick molded ABS plastıc
Motor Type	1HP, 400-750W, 11000-20000 R.P.M., Adjustable
Motor Thermal Protection	Auto Resetting Thermostat turns unit off, 240V at 95°C (221°F)
Heater Element	ON/ OFF Heating options 300-450W, Adjustable
Heater Thermal Protection	Auto Resetting Thermostat turns unit off at 85°C (185°F) Thermal cut-off at 142°C (288°F)
Standby Power	1W
LED Color	Standby: color red; Active: color blue
Drying Time	10-15 seconds
Circuit Operation	Infrared Automatic, self adjusting
Sensor Range	standard 12 cm±1 cm
Sound Pressure	MIN 65 dB-A to 78 dB-A MAX @ 1m
Timing Protection	60 seconds auto shut off
Drip proof	IP23
Isolation	CLASS 1
Net Weight	10.8 kg
Shipping Weight	12.8 kg
Unit Size	322 mm (W) x 588 mm (H) x 185 mm (D)

Recommended Mounting Heights

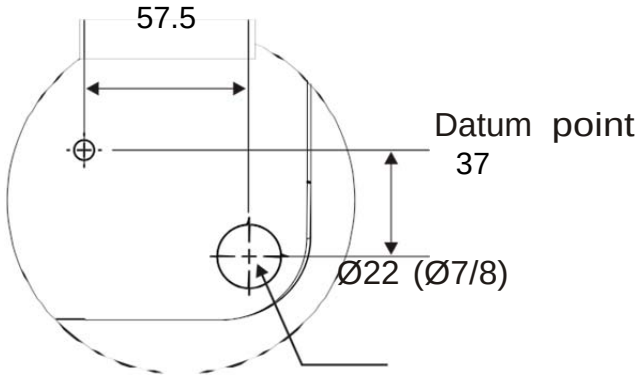
DIM'S mm	A From Top of Hand Drying Chamber	B From Datum Point	C From Bottom of Dryer
Men	1150	710	622
Women	1080	640	552
Children 4-7 years	780	340	252
Children 8-10 years	880	440	352
Children 11-13 years	965	525	437
Children 14-16 years	1080	640	552
Handicaped	900	460	372





Cable entry

The dryer is supplied with a power cord. The power cord entry position is in the rear, right side bottom of dryer. The length of the power cord is 1.5M.



Detail A Unit Rear

General Safety Information

⚠ WARNING This product is intended for installation by a qualified service person. Use AWG NO.16 solid conductor for wiring. (1.2mm² for 220-240V)

⚠ WARNING Disconnect power at the service breaker before installing or servicing. not for household use - may case burns.

⚠ DANGER Failure to properly earth unit could result in severe electrical shock and/or death.

⚠ WARNING All units must be supplied with a 3-wire service. The earth wire must be connected to the dryer's backplate.

Important:- Read all these instructions before commencing the installation.

- All wiring of this hand dryer should be in accordance with the current IEE regulations, or the appropriate standards in your country.
- This hand dryer MUST be installed by a suitably qualified person.
- Ensure that the mains supply (voltage, frequency, and phase) complies with the hand dryers rating label.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Installation Steps

1. Tape the installation template to the appropriate location on the mounting surface. Drill eight (8) holes at marked locations.(fig. 1).
2. Remove template and Insert eight (8) plastic anchors (supplied) into drilled holes (fig. 2).
3. Insert eight (8) screws (supplied) to fix backplate into top plastic anchors (fig. 3).
4. Hang the dryer on the base plate (fig. 4).
5. Use key (supplied) to unlock and withdraw the tray. Screws (supplied) through the holes at backplate bottom. Insert the tray back and lock the security screw.(fig. 5).
6. a. Connect hard wired power provided at KO location to terminal block behind cover panel (RH-bottom) behind filter tray. Turn on circuit breaker to initiate 'stand by- ready to operate' status.

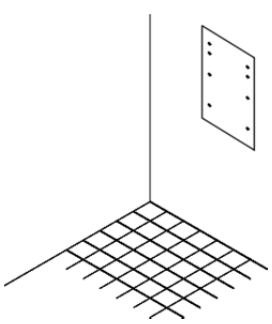
Connections:

A. Connect the live wire (coloured Brown) to the terminal block marked "L".
B. Connect the neutral wire (coloured Blue) to the terminal block marked "N".
C. Connect the earth wire to the terminal block marked "⏚". Bare earth wires should be sleeved with a green and yellow sleeve.

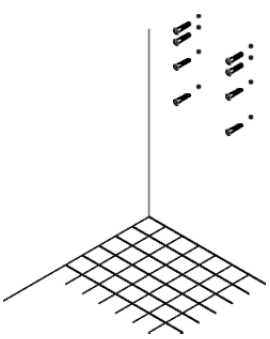
b. Connect the power cord to initiate 'stand by- ready to operate' status.

7. Replace the filter access tray, being careful to not over-tighten the security screw.
8. See separate sections for owner options on heater operation and air speed adjustment.

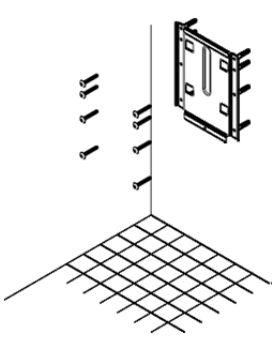
(fig. 1)



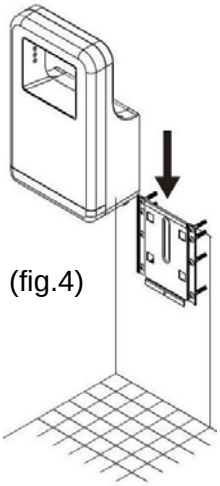
(fig. 2)



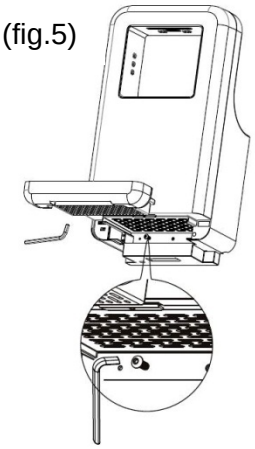
(fig. 3)



(fig.4)



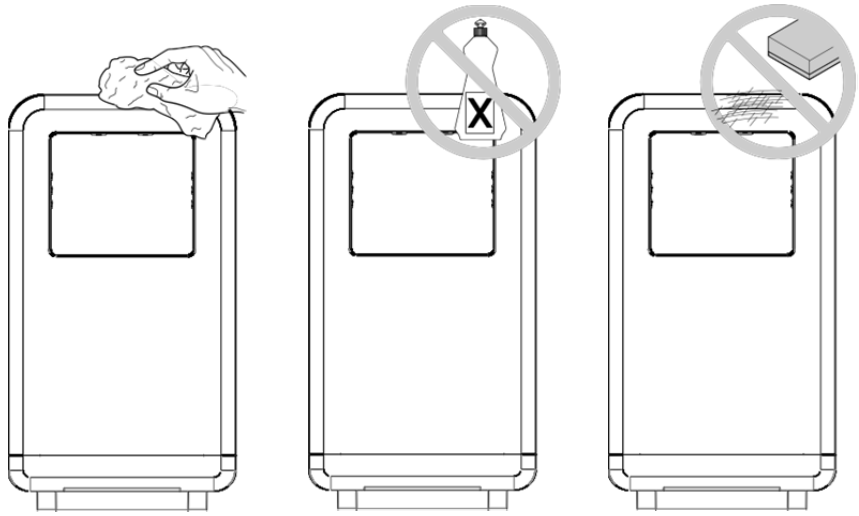
(fig.5)



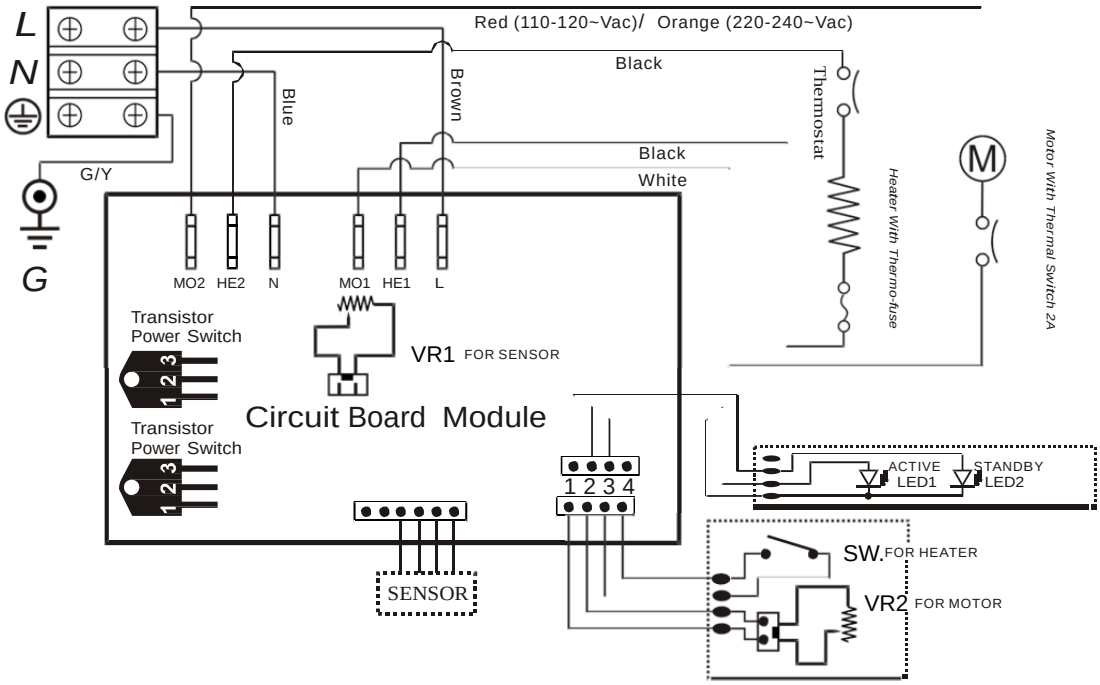
Cleaning and Maintenance

Periodic cleaning of the unit is recommended to ensure optimum performance.

- Wipe the cover with a damp cloth and mild cleaning solution.
- Do not Soak, Do not hose down.
- Never use abrasives to clean the cover. Caustic chemicals may damage unit finish.
- No internal parts need any regular cleaning.



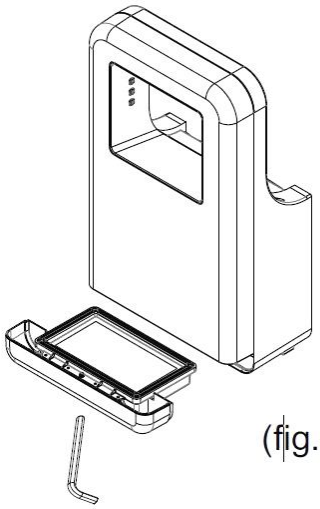
Circuit Diagram



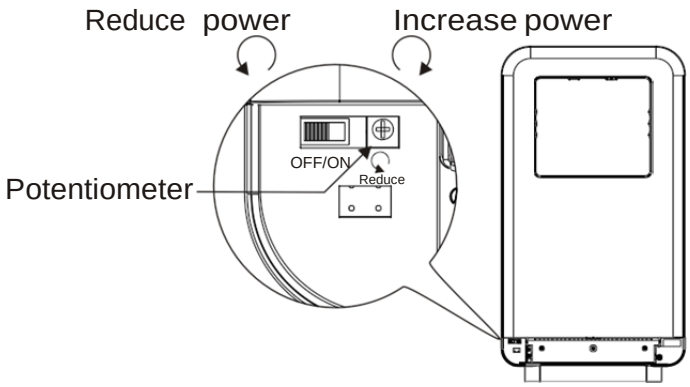
Air Speed Adjustment

The dryer air speed can be adjusted. However, when lowering the motor speed, the drying time will increase also.
The ability of this function will be dependent on the needs of the owner.
The factory setting for dryer's motor speed is set at its highest speed. See below for how to adjust the dryer speed:

1. Use key (supplied) to unlock and withdraw the tray. (fig. 1).
2. Use flat blade screwdriver, gently turn adjustment potentiometer (fig. 2) shaft clock-wise [CW] to increase power to maximum (shaft will hard stop; DO NOT OVERTURN!). Turn tool gently CCW to reduce power as required (shaft will hard stop; DO NOT OVERTURN!). Note that at minimum power the unit may not start if low line Voltage condition exists.
3. Insert the tray back and lock the security screw.



(fig. 1)

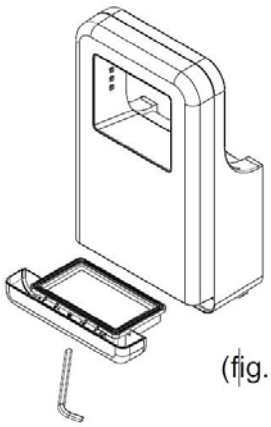


(fig. 2)

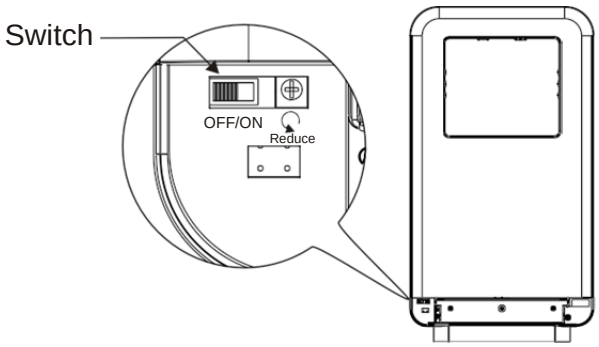
Heater Element Switch ON/ OFF

The Dryer has been designed with a heater switch that can turn the heater ON/OFF. The heater switch doesn't affect the drying time. In cold conditions, it may be more comfortable if it is on when drying hands. However, it will save a third of the energy if it is off. This function can be adjusted depending on the needs of the owner. The factory setting for the heater will be on. See below for how to turn the heater ON/OFF.

1. Use key (supplied) to unlock and withdraw the tray. (fig. 1).
2. Switch it to the right to turn ON. Switch it to the left to turn OFF (fig. 2).
3. Insert the tray back and lock the security screw.



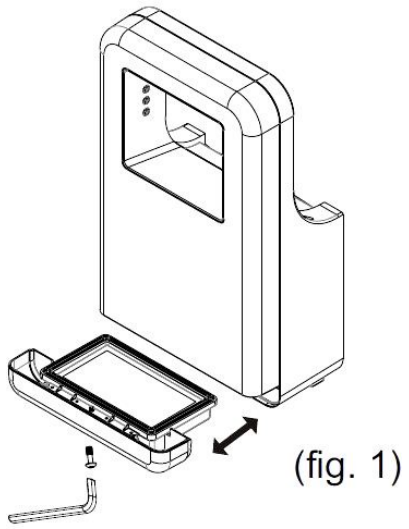
(fig. 1)



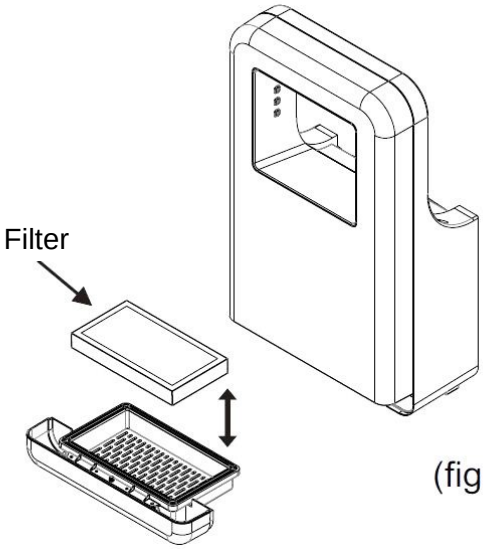
(fig. 2)

How to Change the Filter

1. Use key (supplied) to unlock and withdraw the tray.(fig. 1).
2. Change the filter (fig. 2).
3. Insert the tray back and lock the security screw.



(fig. 1)



(fig. 2)

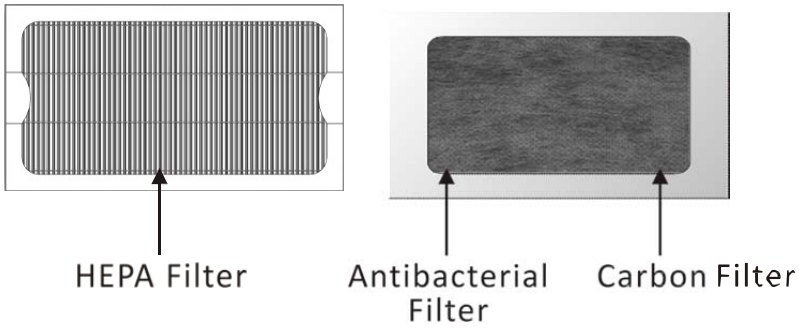
Recommended Period for Changing the filter

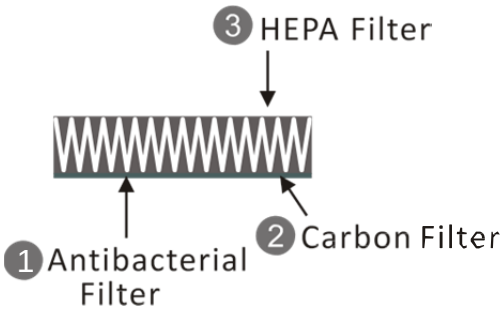
Filter-

In general use (normal/light usage), it's recommended to change the filter six (6) months.

In dusty/dirty places (heavy usage), it's recommended to change it every three (3) months.

Filter Assembly Information



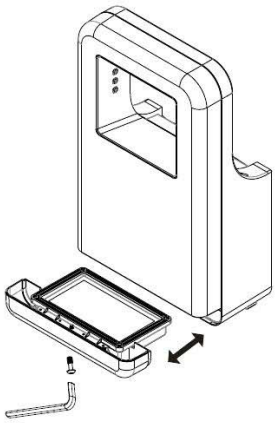


Instructions for use, maintenance and changing the absorbent ceramic

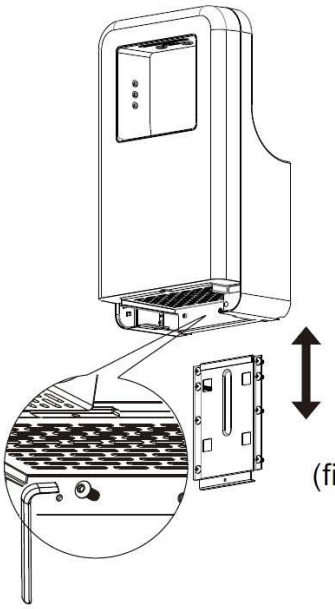
The absorbent ceramic can absorb 70g of water, and has the capacity to take a full load approximately 280 times per day. The ceramic also can evaporate water. During normal use, water will be evaporated continuously and maintain the function of absorbing.

Maintenance simply requires clearing its surface. Normally, its lifetime will be the same as the machine. Improper use or maintenance could result in breakage; see below for replacement instructions.

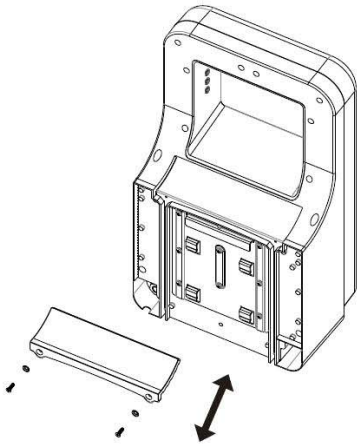
1. Use the key to loosen the security screw and remove the tray. (fig. 1)
2. Use the key to loosen the security screw of the base plate and remove the machine. (fig. 2)
3. Use a screwdriver to loosen the screw (2 pcs) on the ceramic, and replace it with a new one. (fig. 3)
4. Put the machine back and secure the security screw to the base plate.
5. Put the tray back and lock up the security screw.



(fig. 1)



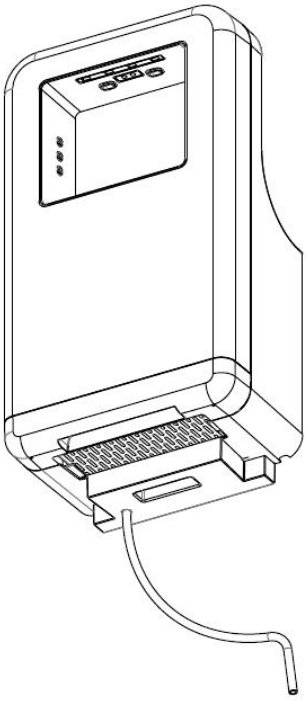
(fig. 2)



(fig. 3)

Instructions for use of the drain tank

Generally, the remaining water following usage will evaporate in the absorbent ceramic. During high traffic times, leftover water will flow to the drain tank automatically. The capacity of the drain tray is 240 cc. It's recommended to clean the drain tank every 3 months water will come through the “overflow hole” if the drain tank is full. A drainpipe (not included) can be added if necessary. The specifications of the drainpipe is I.D. 6mm, O.D. 10mm (fig. 1)



(fig.1)

For replacement filters and spares please contact your supplier for details

This product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice.